

FIG. 1 (PRIOR ART)

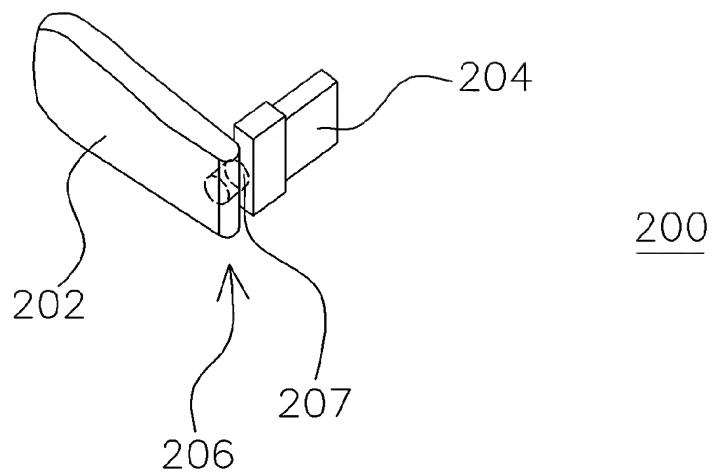


FIG. 2

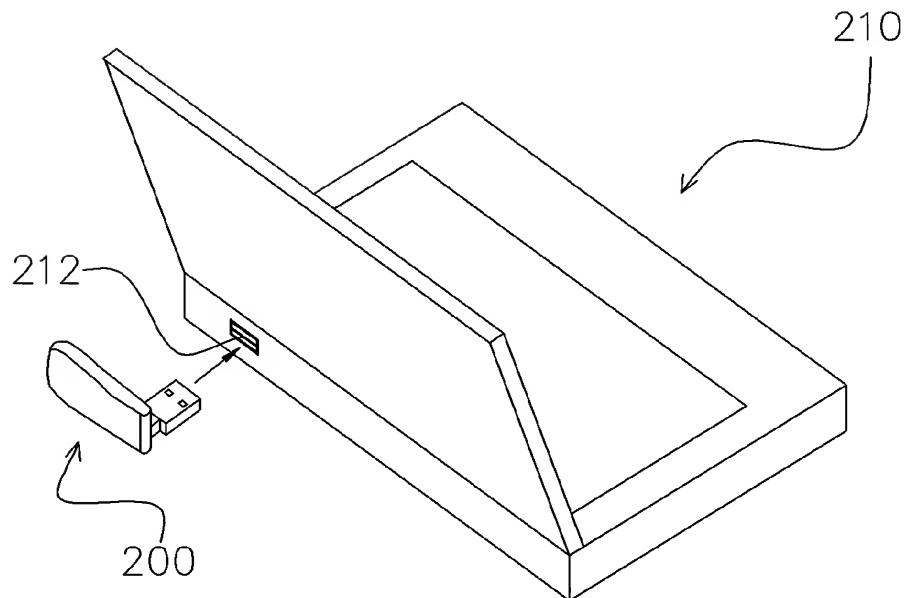
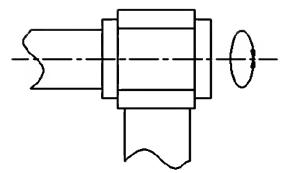
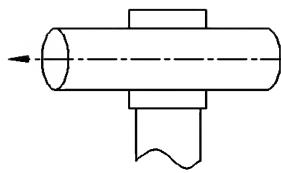


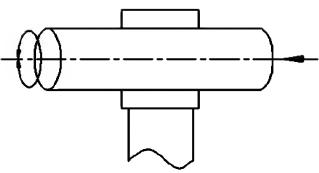
FIG. 3



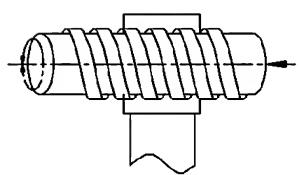
Rotational joint



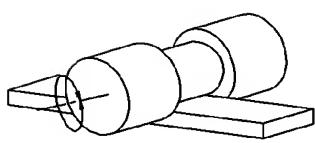
sliding joint



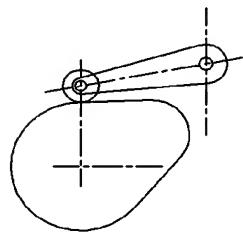
cylindrical joint



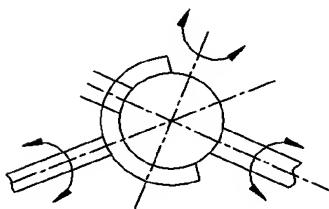
spiraling joint



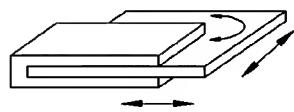
rolling joint



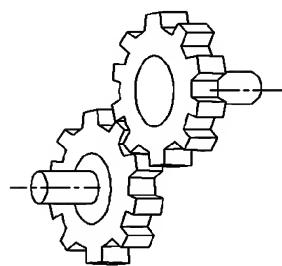
cam-wheel joint



ball-and-socket joint



plane-sliding joint



gear-wheel joint

FIG. 4

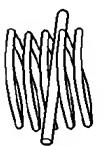
one degree of
freedom of movement



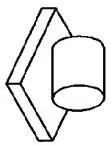
two degree of
freedom of movement



three degree of
freedom of movement



four degree of
freedom of movement



five degree of
freedom of movement

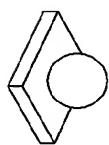


FIG. 5

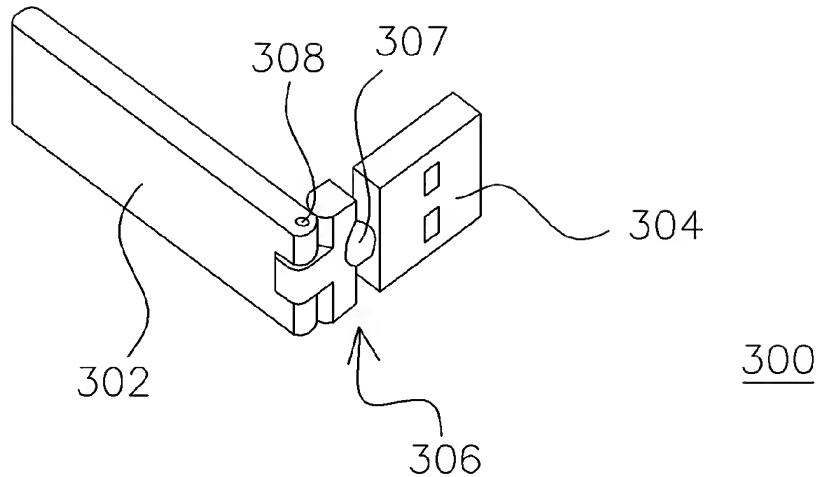


FIG. 6

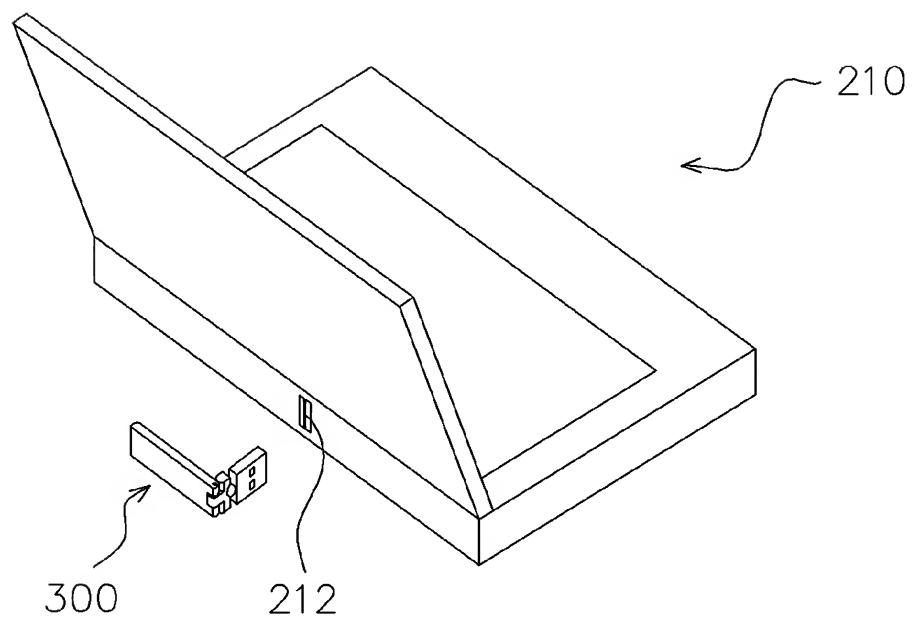


FIG. 7

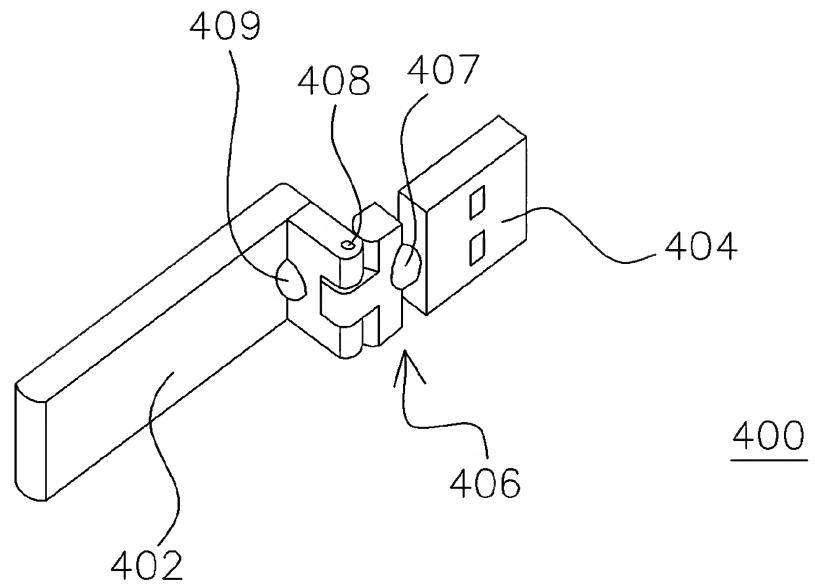


FIG. 8

FIG. 9

